



Federal Aviation Administration  
Air Traffic Airspace Branch, ASW-520  
2601 Meacham Blvd.  
Fort Worth, TX 76137-0520

Aeronautical Study No.  
2005-AEA-2958-OE  
Prior Study No.  
2005-AEA-710-OE

Issued Date: 11/07/2005

MIRANT POTOMAC RIVER LLC  
1400 N ROYAL STREET  
ALEXANDRIA, VA 22314

**\*\* PUBLIC NOTICE \*\***

The Federal Aviation Administration is conducting an aeronautical study concerning the following:

Structure Type: SMOKE STACK UNIT 1  
Location: ALEXANDRIA, VA  
Latitude: 38-49-12.5 NAD 83  
Longitude: 77-2-26.84  
Heights: 214.0 feet above ground level (AGL)  
247 feet above mean sea level (AMSL)

The structure as described above exceeds obstruction standards. To determine its effect upon the safe and efficient use of navigable airspace by aircraft and on the operation of air navigation facilities, the FAA is conducting an aeronautical study under the provisions of 49 U.S.C., Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77.

In the study, consideration will be given to all facts relevant to the effect of the structure on existing and planned airspace use, air navigation facilities, airports, aircraft operations, procedures and minimum flight altitudes, and the air traffic control system.

Interested persons are invited to participate in the aeronautical study by submitting comments to the above FAA address. To be eligible for consideration, comments must be relevant to the effect the structure would have on aviation, must provide sufficient detail to permit a clear understanding, must contain the aeronautical study number printed in the upper right hand corner of this notice, and must be received on or before December 14, 2005.

This notice may be reproduced and circulated by any interested person. Airport managers are encouraged to post this notice.

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

**Signature Control No: 435639-416126**

(CIR)

William Merritt  
Specialist

Attachment(s)  
Additional Information  
Map

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( ) Comments stated in attached letter.  
( ) No comments submitted.

\_\_\_\_\_  
Signature & Title

\_\_\_\_\_  
Representing

\_\_\_\_\_  
Date

## **Additional Information for ASN 2005-AEA-2958-OE**

Aeronautical Study Number 05-AEA-2958-OE

Proposal: To increase in height by 50 feet, 5 existing power plant stacks. Currently, stacks are 164 feet above ground level (AGL), 197 feet above mean sea level (AMSL). Aeronautical studies, 2005-AEA-2959-OE, 2005-AEA-2960-OE 2005-AEA-2961, and 2005-AEA-2962-OE are the four other stacks. The proposed final height of these stacks are to be 214 feet AGL, 247 feet AMSL.

Location: The power plant stacks are located 1.92 nautical miles (NM), south of Ronald Reagan Washington National Airport (DCA), Alexandria, Virginia.

Federal Aviation Regulations, FAR Part 77, Obstruction standards exceeded:

Section 77.23(a)(2) by 14 feet - a height that exceeds a specified height within 3 NM of an airport reference point (ARP) as applies to DCA.

Section 77.23(a)(3) a height within a departure area which would result in the vertical distance between the proposed stacks and established minimum instrument flight altitude within the departure area to be less than the required obstacle clearance. The penetration of this departure surface is 41 feet and would require the establishment of a departure procedure for departures off Runway 19 at DCA with a climb gradient of 242 feet per NM.

Section 77.23(a)(5) airport surfaces by penetrating..

Section 77.25(a) DCA horizontal surface by 82 feet (currently stacks exceed by 32 feet) - a height that exceeds a takeoff or landing area of an airport as applies to DCA.

No other impacts were noted during the initial evaluation of these aeronautical studies.

